
Herbs annual or biennial. Trichomes simple, mixed with short-stalked, forked smaller ones. Stems simple basally, branched above, base often hirsute with simple trichomes. Basal leaves petiolate or subsessile, not rosulate, simple, entire or toothed, rarely lobed, withered by flowering. Cauline leaves sessile, auriculate or sagittate at base, entire or dentate. Racemes ebracteate, elongated considerably in fruit. Fruiting pedicels slender, divaricate. Sepals oblong or ovate, erect, base of lateral pair not saccate. petals yellow or rarely white, spatulate, longer than sepals, apex obtuse. Stamen 6, in 3 pairs of unequal length; filaments not dilated at base; anthers ovate or oblong, obtuse at apex. Nectar glands 4, 1 on each side of lateral stamen; median glands absent. Ovules 8–25 per ovary. Fruit dehiscent silicles or rarely siliques, obpyriform, obovoid, or rarely linear, shortly stipitate; valves leathery, often with a prominent midvein and less prominent lateral veins; style 1–3.5 mm. Seeds dark brown, oblong, 0.8–1.4(–1.5) × 0.5–0.6 mm. Fl. Apr–Jun, fr. May–Aug. 2n = 40.

Farms, fields, roadsides, forest margins, mountain slopes; 700–1600 m. Gansu, Heilongjiang, Henan, Jilin, Liaoning, Nei Mongol, Shandong, Xinjiang [Kazakhstan, Mongolia, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia, Europe; introduced in North America].

CAMELINA longistyla Bordzil; C. microphylla Z. X. An; C. sativa (Linnaeus) Crantz subsp. microcarpa (de Candolle) Hegi & E. Schmid; C. sylvestris Wallroth.

Herbs, annual, (8–)20–60(–80) cm tall, densely to moderately hirsute with simple trichomes to 2.5 mm, these mixed with branched fewer ones. Stems simple or branched above, densely hirsute basally, glabrescent above. Cauline leaves lanceolate, narrowly oblong, or linear-lanceolate, middle ones (0.8–)1.5–5.5(–7) cm × 1–10(–20) mm, pubescent primarily with simple trichomes, often subulate, base sagittate or minutely auriculate, margin entire or rarely remotely denticate, apex acute. Fruiting pedicels 4–14(–17) mm. Sepals 2–2.5 × 0.5–1 mm. Petals pale yellow, 3–4 × 0.5–1 mm. Filaments 1.5–3 mm; anthers ca. 0.5 mm. Fruit obpyriform to narrowly so, (2.5–)3.5–5(–6) × 2–4(–5) mm, acute at apex; valves with a distinct midvein and less prominent lateral veins; style 1–3.5 mm. Seeds reddish brown or brown, oblong, 0.8–1.4(–1.5) × 0.5–0.6 mm. Fl. Apr–Jun, fr. May–Aug. 2n = 40.

Farms, fields, roadsides, forest margins, mountain slopes; 700–1600 m. Gansu, Heilongjiang, Henan, Jilin, Liaoning, Nei Mongol, Shandong, Xinjiang [Kazakhstan, Mongolia, Russia, Tajikistan, Turkmenistan, Uzbekistan; SW Asia, Europe; introduced in North America].

CAMELINA microphylla is based on grazed and deformed plants of C. microcarpa. Plants with similarly deformed morphology have been observed in collections from Europe and North America.